## SHIFT

## BORR FR ME DAVIDENCE OF PACIFIE AND ALIA

lasy and repld accessibility of information in a central file to a prerequisite to prompt production of intelligence. Recognition of the coventages of research in the field of information methodology led the CIA Heragement advisor, in cooperation with USI, to set up a man experimental program, under Contract 20-447, to explore the possibility of developing indexes which onn be searched by automatic equipment. This experimental work was conducted in the field of wortculture. The machines used were specially designed and for the purpose of searching and correlating information. constancted

This exploratory work has opened up the possibility of developing industrie mothods for machine securiting on a scale adequate to serve Cla's reference library requirements. This evaluation is based on exploratory work conducted under Contract XI-427 and on descriptions staged for UIA personnel. These new indexing notheds, when worked out in final fors, give preside of achieving considerable savings in margouer and cost wills rendering a reference nervice of greatly improved effectiveness. The next phase of this development should be on a scale analogous to the pilot plant in a chemical development.

The otore to be taken are the following:

1. Recenting the existing CIA intelligence Subject Code (maintained in (CD) so that it may serve us a general framework for the detailed media indexing cyclos.

2. Developing the new eyeten in detail for the field of agriculture. A portion of the work required in this connection has already been done

tender Contract X3-427. 25X1A5a1

- 3. Took the indexing system developed for explositors by indexing Intelligence information in that field and conducting medianised sourches.
- 4. Levelopment of an inducing system for other branches of natural seignes and technology. This is a large task those secondishment in tull detail will require considerable effort. Our immediate goal is a regitationary form of main a general indexing system.
- 5. A broad program of invoctigation theoretical in rature of the underlying logic and nathounties of inducing methods and suchine operations. The results of this study will pulse us in setting up our over-all inducing motor in final form.

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Approved For Release 2001/05/11: CIA-RDP78-04913A000100020094-0

## Approved For Release 2001/05/11:10 A RDF 76-04913A000100020094-0

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by setting it up at

25X1A5a1	the basis for provious exploratory work. Our development progress is to be under the direction of the provious exploratory investigation, and who has been a CIA consultant for the past
25X1A5a1	consisting the secretary of the Interdepartmental Committee on Scientific assembles and Development, has acquired assembles instability that the problems facing government agencies. A stall full time 25X1A5a1 in various fields of science and technology will be applicated on a consulting basis to assist with technical problems executored in developing the indusing system.
	The cost of this program is estimated at (100,000.
25X1A5a1	needed equipment. Detailed arrangements are to be worked out 25X1A5a1  Appending gained in recent experiments and descent out to used as a  back for developing details of machine design with conversemental engineers.

The establishment and administration of this progress will be facilitated

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